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Notice of Allowability	Application No.	Applicant(s)
	10/685,571	SUZUKI ET AL.
	Examiner	Art Unit
	Walter L. Lindsay, Jr.	2812
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this apport or other appropriate communication GHTS. This application is subject to and MPEP 1308.	olication. If not included will be mailed in due course. THIS
1. This communication is responsive to <u>an Amendment filed 12/23/05</u> .		
2. The allowed claim(s) is/are <u>6,13,19,24,32 and 34-42</u> .		
 3. Acknowledgment is made of a claim for foreign priority unallocation a) All b) Some* c) None of the: Certified copies of the priority documents have Certified copies of the priority documents have Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	been received. been received in Application No	
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		
4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.		
 5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the 		
attached Examiner's comment regarding REQUIREMENT		
Attachment(s) 1. Notice of References Cited (PTO-892)	5. Notice of Informal Page	atent Application (PTO-152)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary	(PTO-413),
3. Information Disclosure Statements (PTO-1449 or PTO/SB/0	Paper No./Mail Dat 8), 7. 🔲 Examiner's Amenda	
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. Examiner's Stateme	ent of Reasons for Allowance

DETAILED ACTION

This Office Action is in response to an Amendment filed on 12/23/2005. Currently, claims 6, 13, 19, 24, 32, and 34-42 are pending.

Allowable Subject Matter

- 1. Claims 6, 13, 19, 24, 32, and 34-42 are allowed.
- 2. The following is an examiner's statement of reasons for allowance: the prior art, either singly or in combination fails to anticipate or render obvious, the limitations of:

... selectively removing said insulating film via wet etching with a chemical solution containing an organic solvent as a main component to partially expose said surface of said semiconductor substrate;

before said selectively removing said insulating film via a wet etching, forming a patterned protective film having a predetermined geometry on said insulating film;

selectively removing a part of said high-k insulating film via a dry etching utilizing said protective film as a mask; and

removing said protective film, as required by claim 6;

solution containing an organic solvent as a main component to partially expose said surface of said semiconductor substrate;

before said selectively removing said insulating film via a wet etching, forming a patterned protective film having a predetermined geometry on said insulating film; and

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selectively removing a part of said high-k insulating film via a dry etching utilizing said protective film as a mask, as required by claim 34; and

... selectively removing said insulating film via wet etching with a chemical solution containing an organic solvent as a main component and a fluoride-containing compound to partially expose said surface of said semiconductor substrate; and

after said selectively removing said insulating film via a wet etching, rinsing the surface of said semiconductor substrate with an organic solvent, as required by claim 40.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Walter L. Lindsay, Jr. whose telephone number is (571) 272-1674. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael S. Lebentritt can be reached on (571) 272-1873. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Walter L. Lindsay, Jr. Examiner Art Unit 2812

March 15, 2006